

ABSTRACT OF THE DISCLOSURE

The specification describes one or more embodiments of the present invention, which relates to a method of reducing phosphate ore losses in a desliming process. A phosphate ore preparation slurry is directed to a desliming unit; surfactants and/or an organic polymers are added to the slurry and mixed into the slurry to reduce the viscosity of the slurry and to settle out the fine phosphate ore particles for recovery. These particles are collected and directed to a beneficiation process for recovering the phosphate ore product. It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope of meaning of the claims. 37 CFR 1.72(b).

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